Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/08/2017 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124073	-1	1.79	123956	1.76
Blue	F	SSC	125000	124291	-1	3.27	124721	3.08
Blue	E	FITC	23615	22734	-4	2.90	1014	10.70
Blue	D	PE	26739	26231	-2	2.53	941	10.07
Blue	B	PerCP-Cy5-5	48339	47289	-3	3.74	1356	17.31
Blue	A	PE-Cy7	45021	44573	-1	5.36	686	36.49
Red	C	APC	53064	51849	-3	2.78	2987	9.53
Red	A	APC-Cy7	57175	56719	-1	2.74	1180	11.26
Violet	B	V450	14728	14106	-5	5.50	680	9.64
Violet	A	V500	58621	56444	-4	5.40	2506	7.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19206	2.91	609	-5	N/A	N/A	Pass
Blue	F	SSC	61172	2.08	546	0	N/A	N/A	Pass
Blue	E	FITC	115	39.20	547	-1	0.0192	132	Pass
Blue	D	PE	207	30.41	537	1	0.1651	305	Pass
Blue	B	PerCP-Cy5-5	211	46.62	634	-1	0.0097	118	Pass
Blue	A	PE-Cy7	73	121.30	693	0	0.0112	10	Pass
Red	C	APC	347	27.77	596	-1	0.0199	55	Pass
Red	A	APC-Cy7	129	41.41	580	0	0.0055	1819	Pass
Violet	B	V450	82	42.14	469	-1	0.0485	2009	Pass
Violet	A	V500	182	22.59	496	-1	0.0165	617	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/08/2017 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.35	0.87
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.25	13.27 - 19.91	N/A	N/A	31.60	31.93	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11116

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments